

Tolka

Notice of Allowability	Application No.	Applicant(s)	
	10/812,784	STOJANOVSKI, STOJAN	
	Examiner	Art Unit	
	Dana Ross	3722	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Application filed 3/31/04.
2. ☒ The allowed claim(s) is/are 1-17.
3. ☒ The drawings filed on 31 March 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Allowable Subject Matter

1. Claims 1-17 are allowed.
2. The following is an examiner's statement of reasons for allowance: The prior art neither anticipates nor renders obvious a tool holder apparatus as claimed in independent claims 1 or 11, specifically wherein the camming structure as claimed is axially movable to a camming position in the second bore to expand the slotted narrow second end of the tool holder into engagement with the female opening of the shank; the drawing member being operative to move the camming structure to expand the male frustoconical structure in the female opening to a locked position (independent claim 1) and the camming structure being axially movable in the second bore of the tool holder to expand the frustoconical section of the male structure into engagement with the shank female opening; the differential draw screw being operative to axially move the camming structure toward the shank of the frustoconical opening.

The closest prior art of record is US Pat. No. 5,971,681 (Wolfe, et al., hereafter '681) and US Pat. No. 4,856,944 (Reinauer, hereafter '944).

'681 teaches a tool spindle 10 and tool holder 22 that has a tapered drive shank 24 to seat in the socket so the tool holder is driven by the spindle 10; both the spindle and tool holder with threaded bores holding a drawbar bolt 18 that connects the tool holder and spindle (fig. 1, col. 2, lines 18-22 and lines 33-40).

'681 does not teach the camming structure axially movable to a camming position in the second bore to expand the slotted narrow second end of the tool holder into engagement with the female opening of the shank; the drawing member being operative to move the camming structure to expand the male frustoconical structure in the female opening to a locked position

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(independent claim 1) and the camming structure being axially movable in the second bore of the tool holder to expand the frustoconical section of the male structure into engagement with the shank female opening; the differential draw screw being operative to axially move the camming structure toward the shank of the frustoconical opening.

Therefore '681 does not anticipate the claimed inventions of claims 1 or 11.

'944 teaches a tool support 1 and tool head 2 for holding tools (fig. 1A, col. 2, lines 46-62) with a bolt 10 and with threaded sides 10a and 10b and a section 10c for insertion into an expanding part 6 of the tool support (fig. 1A and 1B, col. 3, lines 36-57).

'944 does not teach the drawing member being operative to move the camming structure to expand the male frustoconical structure in the female opening to a locked position or the camming structure being axially movable to the second bore of the tool holder to expand the frustoconical section of the male structure into engagement with the shank of the female opening.

Therefore '944 does not anticipate the claimed inventions of claims 1 or 11.

Furthermore, there is no prior art that would render obvious the claimed inventions of independent claims 1 or 11, either alone or in combination with '681 or '944, and no motivation found to modify '681 or '944 to obtain the claimed inventions.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

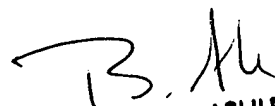
Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dana Ross whose telephone number is 571-272-4480. The examiner can normally be reached on Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Boyer Ashley can be reached on 571-272-4502. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


dmr


BOYER D. ASHLEY
PRIMARY EXAMINER